

VONDROVA, Olga; TADRA, M.; CAPEK, A.

Microbial transformation of steroid. XXII. Hydroxylation of the steroid molecule by strains of *Streptomyces fradiae*. Folia microbiol. 8 no.3:176-179 '63.

1. Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 6, and Institute of Pharmacy and Biochemistry, Prague 3.
(PROGESTATIONAL HORMONES) (STREPTOMYCES) (METABOLISM)
(PROGESTERONE) (HYDROXYPROGESTERONE)

CAPEK, A.; SVATEK, E.; TAURA, M.

Study of the conditions of ribosidation of 6-azauracil. Folia
microbiol. 8 no.5:304-307 '63.

1. Institute of Pharmacy and Biochemistry, Prague 3.
(RIBOSE) (ESCHERICHIA COLI) (NUCLEOSIDES)
(ANTINEOPLASTIC AGENTS) (METABOLISM)

CZECHOSLOVAKIA

SVATEK, E; CAPEK, A.; TADRA, M.; Research Institute for Pharmacology and Biochemistry [Vyzkumny Ustav pro Farmacii a Biochemii], Prague.

"Spectrophotometric Determination of 6-Azaauracil in Presence of 6-Azaauracil Riboside."

Prague, Ceskoslovenska Farmacie, Vol 12, No 8, 1963, pp 385-388

Abstract: The spectroscopic determination is based on the reaction of 6-azauracil with sodium nitroprusside that produces a colored compound. It is yellow in an alkaline medium and becomes red upon acidification. Light absorption is measured at 500 mμ. 6-azauracil riboside does not react; 6-azauracil can be determined in concentrations as low as 1 in 100,000. The analytical method described was used to study microbial ribosidation of 6-azauracil. The results obtained agreed with measurements made by chromatography in a column filled with Hyflo-Supercel with an acetate buffer at pH 4.6; n-butanol eluates were evaluated spectrophotometrically at 265 mμ.
4 Figures, 8 Czech references.

1/1

CZECHOSLOVANIA

CAPEK, A.; KAKAC, B.; TADRA, M.; Research Institute for Pharmacology and Biochemistry [Vyzkumny Ustav pro Farmacii a Biochemii], Prague.

"Microbial Transformations of Steroids. Preparation of Prednisone from Cortisone Acetate by a Microbial Process."

Prague, Ceskoslovenska Farmacie, Vol 12, No 8, 1963, pp 408-409

Abstract: Using a strain of *Flavobacterium peregrinum* saponification of cortisone acetate was carried out; it was followed by fermentation yielding free cortisone; this was dehydrogenated in the solution used for the first step by *Mycobacterium flavum* which produced prednisone. 70% of theoretical yield was obtained.
8 Czech references.

CAPEK, A.; SVATEK, E.; TADRA, M.

Ribosidation of 6-azauracil with a 2-phase fermentation
method. Cesk. farm. 17 no.6:309-310 JI '63.

(NUCLEOSIDES) (SPECTROPHOTOMETRY)
(ESCHERICHIA COLI) (CULTURE MEDIA)
(ANTINEOPLASTIC AGENTS)

CAFEK, A.; TADRA, M.; TUMA, J.

Microbial transformations of steroids. XXIV. Separation of Androstane 17-hydroxy-epimers. Folia microbiol. (Praha) 9 no.6:380-382 N '64.

1. Research Institute of Pharmacy and Biochemistry, Prague.

CAPEK, A., HANC. O.

Microbial transformation of organic material in pharmaceutical chemistry. Cesk. farm. 13 no. 10:507-517 D ' 64

CAPEK, A.; KAKAC, B.

5-Halogenopyrimidines. Part 3. Folia microbiol. 10 no.5:
267-270 - S ' 65,

1. Research Institute of Pharmacy and Biochemistry, Prague 3.
Submitted December 28, 1964.

CAPEK, D.

Feeding a flier. Voj. zdrav. listy 19 no. 7-8:157-166 July-
Aug 1950. (CJML 20:1)

CAPEK, D.

Problem of explosive decompression during flights. Voj. zdrav.
listy 20 no.2:47-51 Mar-Apr 1951. (CIML 20:11)

CAPEK, D.

PHASE I BOOK EXPLOITATION

CZECH/3583

Dominik Čapek, Major-General, Professor, Doctor of Medical Sciences, and Head of the Department of Aviation Medicine, Charles University, Prague

Fysiologie letce (Physiology of the Airman) [2nd ed.] Prague, Naše vojsko, 1953. 378 p. (Series: Vojenskozdravotnická knihovna, sv. 2) Errata slip inserted. 4,400 copies printed.

Ed.: František Černý, Major-General, Doctor of Medical Sciences; Tech. Ed.: František Pastyřík.

PURPOSE: The book is intended for aviation medicine specialists and air force officers.

COVERAGE: The book covers the field of aviation medicine with a particular emphasis on the physiology and psychopathology of aviation personnel. Physiological effects of acceleration, altitude, and to some extent of climatic factors (cold, glare) as well as of flying hazards (vibration, noise, gas poisoning) are treated in considerable detail. An analysis of airsickness and fatigue, miscellaneous diseases associated with flying, and the role of the sense organs in spatial orientation is also made. Individual chapters discuss problems ancillary to aviation, such as parachute

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Physiology of the Airman

CZECH/3583

jumping and the duties of medical personnel. The author thanks M. Pospíšil, Eva Dubská, Doctors of Medical Science O. Černoš, Čámský, and M. Kopecký. There are 202 references, mostly Soviet and English.

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1. The atmosphere	13
a) Composition and distribution	13
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CAPEK, D.

Characteristics of desaturation aeropathy in fliers. Cas. lek. cesk.
92 no.27:758-766 3 July 1953. (GML 25:1)

PAVLOK, Jan, MUDr.; CAPEK, Dominik, Prof., MUDr.; CERNOCH, Otakar, MUDr.;
STVERAK, Jiri, MUDr.; MALCIK, Vladimir, MUDr.; MIKULA, Jiri, MUDr.;
CAMSKY, Jiri, MUDr.

Special hygiene of aviators. Voj. zdrav. knihovna no.22:1-175
1954.

(MEDICINE AVIATION,
prev. & hyg. aspects (Cz))

CAPEK, D., Prof., Dr.

Air transportation of sick. Cas. lek. cesk. 95 no.4:89-93
27 Jan 56.

(WOUNDED AND SICK,
air transport)

CAPEK, D.

On preventive measures against sequelae of decompression sickness
in fliers. Cesk.fysiol. 9 no.3:221-222 My '60.

1. Laborator letECKE fysiologie, Praha.
(DECOMPRESSION SICKNESS prev & control)

CAPEK, D.

Development of aviation physiology. Cesk.fysiol.9 no.6:527-536
N '60.

1. Ustav letECKE fysiologie, Praha.
(AVIATION MEDICINE)

CAPEK, D.

On the relationship between the man and the engine in aviation
Pracovní lek.12 no.10:513-517 D '60.

(HUMAN ENGINEERING)

CAPEK, D.

- [illegible]

CAPEK, J.

Economic efficiency of the site for lumber handling. p. 245. (SBORNIK RADA
LESNICTVI. Praha) (Vol. 30, no. 3, Mar. 1957)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, No. 7, July 1957. Uncl.

CAPEK, Jiri

A puncture apparatus for the aspiration of tissue and other medical procedures in prostatic diseases and its use in urological practice. Rozhl. chir. 40 no.6:420-423 Je '61.

1. Urologické oddelení nemocnice na Bulovce v Praze, přednosta doc. V. Paces.

(PROSTATE surg) (PUNCTURES) (UROLOGY equip & supply)

CAPEK, Jiri

~~Radical~~ treatment of abscess of the prostate by the rectal route.
Rozhl. chir. 41 no.7:491-494 J1 '62.

1. Urologické oddelení nemocnice Na Bulovce v Praze 8, přednosta
doc. dr. V. Paces.

(PROSTATITIS surgery)

CZECHOSLOVAKIA

JARY, J; CAPEK, K; KOVAR, J.

Laboratory for Monosaccharides of the Technical Higher
School of Chemistry, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,
Vol 8, 1963, pp 2171-2180

"Synthesis of Derivates of 3,6-Didesoxy-3-Amin-L-Idose."

CAPEK, KAREL

Cesta na sever. Pro vetsi nazornost provazena obrazky autorovymi a basnemi jeho zeny. (13. vyd.) Praha, F. Borovy, 1948. 285 p. (Spisy bratri Capku, sv.38)
(A trip to the north; accompanied by the author's pictures and his wife's poems for better description. 13th ed. illus.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

JELINEK, J.; CAPEK, K.; MORAVKOVA, D.

~~SECRET~~
Titration of penicillin in the blood modification of Hildick-Smith-Fell
micromethod. Cas. lek. cesk. 92 no.22:601-603 29 May 1953. (CLML 24:5)

1. Of the Institute of General and Experimental Pathology (Head--Prof.
J. Hepner, M.D.) and of the First Internal Clinic (Head--Prof. M. Netousek,
M. D.), Charles University, Prague.

CAPEK, K.

Starching warps. p. 74.

TEKSTIL, Zagreb, Vol. 4, no. 1, Jan. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

III. Development of control of water metabolism. I. Excretion of urine in young rats. II. Development of micturition in puppies. K. Cipek and J. Jellinek. *Physiol. Bohem.*, 1958, 5, 91—98, 97—102.

I. In newborn rats, micturition did not take place, the urine being retained in the bladder. Micturition was initiated by reflex stimulation of intercostal nerves. About the 18th day emptying before that was induced by stimulation of skin exteroceptors in the perineal area which is normally performed by the mother. Reflex emptying of the bladder by experimental perineal stimulation increased urine formation by the kidneys and enabled administered water to be excreted.

II. In puppies, stimulation of the perineum caused contraction of the abdominal muscles, alteration in breathing, and a contraction of the bladder. Direct relaxation of the urethral sphincter was not induced. With the development of the adult mechanism of micturition, the area from which mechanical stimulation evoked micturition extended towards the urethral orifice, but there was a weakening in the reflex response to stimulation. (Russian)

A. ACKROYD

CAPEK, K., and others.

CAPEK, K., and others. Studies on the physiology of newborn animals. p. 1.

Vol. 66, No. 12, 1956.

ROZPRÁVY. RADA MATEMATICKO-PŘÍRODOVĚDECKÁ

SCIENCE

Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, Feb. 1957

KLEINZELLER, A.; CAPEK, K.

Developmental changes of respiration and ion transfer in the renal cortex in puppies. Cesk. fysiол. 7 no.5:490-491 Sept 58.

- 1..Laborator latkove premeny bunek a tkani a Fysiologicky ustav CSAV, Praha.
(KIDNEYS, metab.
resp. & ion transfer in renal cortex in puppies, age factor
(Cz))
(AGING, effects,
on kidney cortex resp. & ion transfer in puppies (Cz))

CHAPEK, K. [Čapek, K.]

Development of reflex regulation of urination in puppies. Fiziol.
zhur. 45 no.2:171-176 F '59. (MIRA 12:3)

1. From the Physiological Institute, Czechoslovakian Academy of
Sciences, Prague.

(URINATION, physiol.

urinary reflex develop. in young dogs (Rus))

(AGING, eff.

on urinary reflex develop. in dogs (Rus))

CAPEK, K.; KLEINZELLER, A.

Anaerobic transportation of sodium and water in renal cortex sections in newborn animals. Cesk. fysiол. 9 no.1:6-7 Ja 60.

1. Fysiologicky ustav CSAV, Biologicky ustav CSAV. Praha.
(SODIUM metab.)
(WATER metab.)
(KIDNEYS metab.)
(INFANT NEWBORN)

CAPEK, K.; HELLER, J.

Antidiuretic activity of the plasma in ontogenic development of dogs. Cesk.fysiol. 9 no.3:223 My '60.

1. Fysiologicky ustav CSAV, Fysiologicky ustav fak. vseob.lek.
KU, Praha.
(VASOPRESSIN blood)

CAPEK, K.; HELLER, J.

Antidiuretic activity of the plasma and posterior pituitary lobe during ontogenesis in the dog. *Physiol Bohemoslov* 10 no.6:522-528 '61.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Department of Physiology, Faculty of General Medicine, Charles University, Prague.

(DIURESIS *physiol*)
(AGING)

(PITUITARY GLAND POSTERIOR *physiol*)
(THIRST *physiol*)

LUKES, R. (deceased); DOLEZAL, S.; CAPEK, K.

On the preparation of some γ -lactones. Coll Cz chem 27 no.10:2408-2412 0 '62.

1. Institut für organische Chemie, Technische Hochschule für Chemie, Prag.

CZECHOSLOVAKIA

J. MARTINEK and K. CAPEK [Affiliation not given.]

"J. Brod: The Kidneys. Physiology, Clinical Physiology and Clinical Aspects. Prague 1962."

Prague, Geskoslovenska Fysiologie, Vol 12, No 3, May 63; pp 221-222.

Abstract: Generally very favorable book review of this major compendium produced by 'the Prague school of nephrologists' - 1043 pages, 3,000 bibliographic citations, 309 graphs, 70 tables. A few very minor editorial criticisms are made.

1/1

JARY, J.; CAPEK, K.; KOVAR, J.

Synthesis of derivatives of 3,6-dideoxy-3-amino-L-idose. Coll
Cz Chem 28 no.8:2171-2181 Ag '63.

1. Laboratorium fur Monosaccharide, Technische Hochschule fur
Chemie, Prag.

HELLER, J.; MARTINEK, J.; CAPEK, K.

Outline of phylogenetic development of kidney function. Cesk.
fysiol. 13 no.5:429-440 0 '64.

Outline of kidney function in the early postnatal period in
man. Ibid.:441-460

1. Fyziologicky ustav Ceskoslovenskej akademie ved, Ustav
hygieny prace a chorob z povolani, Praha.

JARY, J.; CAPEK, K.; KOVAR, J.

Amino sugar. Pt. 2. Coll Cz Chem 29 no.4:930-937 Ap '64.

1. Laboratory of Monosaccharides, Higher School of
Chemical Technology, Prague.

CZECHOSLOVAKIA

JARY, J; CAPIK, K

Laboratory of Monosaccharides, Institute of Chemical Technology,
Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communications,
No 1, January 1961, pp 215-220

"Amino sugars. Part 3. Preparation of methyl-3,4-anhydro-6-deoxy-
6-O-galactopyranoside derivatives."

Physiology

CZECHOSLOVAKIA

CAPEK, K.: Physiological Institute, Czechoslovak Academy of Sciences (Fysiologicky Ustav CSAV), Prague.

"Permeability of Cortical Nephrons to Urea in Rat Kidney."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 3, May 66, pp 186-189

Abstract: Experiments on adult rats were made to study the changes in urea in the proximal and distal tubules of kidneys. The movements of urea correspond to Fick's law of diffusion. The plasmatic flow is much greater than the permeability. Permeability of the distal tubulus for urea is lower than the permeability of the proximal tubulus. The antidiuretic hormone does not influence the permeability of the distal tubulus for urea. The urea efflux in the cortical sectors of the nephron is passive and follows Fick's diffusion law. 4 Figures, 4 Western references. Submitted at 15 days of Physiology - Symposium on Water Metabolism- 29 May 65.

CAPEK, K.; RINGL, A.

Provisional regulations of the new law concerning inventions, discoveries and improvement suggestions. p. 3.

VYNALEZY A NORMALISACE, OCHRANNE ZNAMKY, CHANENE VZORY. (Urad pro vynalezy a normalisaci)
Praha, Czechoslovakia
Vol. 3, no. 3, Mar. 1959.

Monthly list of East European Acessions (EEAI), IC, Vol. 8, no. 7
July 1959
Uncl.

SORM, Frantisek, akademik; MASTOVSKY, Otakar; KASPAR, Jan; SIRACKY, Andrej;
VANA, Josef; ZACHOVAL, Ladislav; RASKA, Karel; BLASKOVIC, Dionyz,
akademik; WICHTERLE, Otto, akademik; PRANTL, Ferdinand; CUTA, Frantisek;
JERIE, Jan; HENNER, Kamil, akademik; CAPEK, Ladislav; LINK, Frantisek;
STRNAD, Julius

Report on the activities of the Czechoslovak Academy of Sciences made
at its 12th General Assembly, and the discussion. Věstník CSAV 70 no.1:
26-34 '61.

1. Namestek presidenta Ceskoslovenska akademie ved (for Sorm).
2. Clen korespondent Ceskoslovenske akademie ved (for Mastovsky,
Kaspar, Siracky, Vana, Zachoval, Raska, Prantl, Cuta, Jerie,
Capek, Link and Strnad). 3. Predseda Slovenskej akademie vied
(for Siracky).

CAPEK, M.

Standardization of cranes used in the construction of apartment houses. p. 328.

Vol. 3, no. 10, Oct. 1954 (Mechanisace)
INZENYRSKE STAVBY
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

CAPEK, M.

TECHNOLOGY

Periodical: POZEMNI STAVBY. Vol. 6, no. 10, Oct. 1958.

CAPEK, M. Development of testing methods for spot-welded reinforcement used for reinforced concrete structures. p. 529.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.

CAPEK, M.

Influence of the surface quality and form of reinforcing steel on the spot welding of reinforcement bars. p. 473

POZEMNI STAVEBY. (Ministerstvo stavebnictvi) Praha, Czechoslovakia, Vol. (1) no. 9, (September) 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959.

uncl.

L 05397-67

ACC NR: AP6020170 (A) SOURCE CODE: CZ/0078/66/000/002/0010/0010

AUTHOR: Capek, Miloslav (Engineer; Prague)

22
B

ORG: none

TITLE: A single-phase bridge for current and voltage control with identically biased semiconductor rectifiers. CZ Pat. No. PV 526-65, Class 21

SOURCE: Vynalezky, no. 2, 1966, 10

TOPIC TAGS: electric equipment, transformer, semiconductor rectifier, voltage control, current control

ABSTRACT: A single-phase bridge with continuous voltage and current control, using identically biased semiconductor rectifiers, has been introduced. It consists of four branches, two of them split in two pairs of lines connected, via rectifiers, to the corresponding taps of a regulating transformer. The first lines of each pair are coupled to a group of controlled semiconductor rectifiers, the second lines each with a separate group of uncontrolled semiconductor rectifiers. The groups of uncontrolled rectifiers are interconnected by a switch. In operation, the

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L 05397-67

ACC NR: AP6020170

controlled rectifiers are linked to the higher voltage tap of the transformer, and the groups of uncontrolled rectifiers to the lower voltage tap. At a change-over, all groups are switched, first to the tap with voltage nearest to that to which the connection is being shifted and then, the group of rectifiers which previously had been coupled with the above-mentioned tap is switched to the succeeding tap. At the same time, a switch actuates connection between the uncontrolled rectifiers lines and also connected from one of these lines to the higher tap of secondary winding of the transformer; a reverse switch actuates connection of the group of controlled rectifiers lines to the same tap of the transformer, whereby the polarity of the latter rectifiers always becomes identical to that of the uncontrolled semiconductor rectifiers in the pertinent main branch of the bridge. [Translation]

SUB CODE: 09/ SUBM DATE: 26Jan65/

Card 2/2 *llh*

CAPEK, K., and others.

A report on pests and diseases in the forests of Slovakia during 1955. p. 20
(Les Vol. 3 (i.e. 12) no. 1, Jan. 1956 Bratislava)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

CAPEK, M.

Parasites in caterpillars of the butterfly Epiblema (- Eucosma) nigricana
H.S. p. 597. (Giologia, Vol. 11, No. 10, 1956, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl

CAPEK, M.

CZECHOSLOVAKIA / General and Specialized Zoology. P
Insects. Physiology and Toxicology.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44730

Authors : Capek, M.; Charvat, K.; Patocka, J.

Inst : Not given

Title : The Study of the Fauna of the Crown of the Pubescent Oak (*Quercus Pubescens* Wild) State Preserve at Sturove Region (Southern Slovakia).

Orig Pub : Ochrana prirody, 1957, 12, No. 5, 144-145.

Abstract : A list is given of insects, the pupae, larvae or imagoes of which were found in the crowns of the pubescent oak. A list of parasites bred from larvae found in the preserve is given. A new species of the genus *Perisierola* was found.

Card 1/1

CAPEK, Miroslav

11th International Congress of Entomology in Vienna; a report.
Biologia 16 no.2:157-158 '61. (EEAI 10:8)
(ENTOMOLOGY) (INTERNATIONAL CONGRESS OF ENTOMOLOGY
11TH VIENNA, 1960.

CAPEK, Milan

Prevention of sugar beet withering during harvesting and storage
and its importance for preservation of high sugar content. Listy
cukrovar 80 no. 1: 1-4 Ja '64.

L 40819-66

ACC NR: AP6013155

(A)

SOURCE CODE: CZ/0078/66/000/004/0012/0012

INVENTOR: Capek, Miloslav (Engineer; Prague)

29

ORG: None

B

TITLE: [A single-phase bridge] CZ Pat. No. 1049-65, Class 21d

SOURCE: Vynalezky, no. 4, 1966, 12

TOPIC TAGS: silicon controlled rectifier, semiconductor rectifier, rectification, electric transformer

ABSTRACT: This patent introduces a single-phase bridge with semiconductor diodes and continuous current and voltage control. Two of the main arms are split into pairs which are used for connecting them to the secondary windings of the control transformer through groups of conventional and controlled semiconductor rectifiers. A group of conventional semiconductor rectifiers is always connected in one branch of each pair. The switch for the secondaries of the control transformer has a pair of contacts for each winding arranged so that the branches with conventional rectifiers are always connected to one contact in the appropriate pair, while the branches with controlled rectifiers are connected to the other. There is only one common set of controlled semiconductor rectifiers connected in one of the remaining branches of the split

Cord 1/2

L 40819-66

ACC NR: AP6013155

pairs. This branch is connected between the set of controlled rectifiers and the transformer secondaries. A switch connects this branch both to the single remaining branch and to a secondary winding of the transformer. The branch containing the set of controlled rectifiers is shunted by an additional branch between the main arm and the secondary windings of the transformer. This additional branch is also equipped with a breaker contact. [Translation]

SUB CODE: 09/ SUBM DATE: 16Feb65

Card 2/2 *LC*

CAPEK, M., Inz. arch.; KRATKY, F.; RICAR, Z., Inz.; HUBER, M.; LANGHAMER,

Assembled skeleton structure. Pozemni stavby 11 n.4:suppl:
II. kurs nove techniky a ekonomiky. Pt.15:369-386 '65.

VOZENILEK, Frantisek; VOJTA, Jaroslav; SOLDAT, Petr; CAPEK, Milan

Experience with the equipment for complex automation of
reactor control by means of movable detectors. Jaderna
energie 9 no.6:201 Je '63.

1. Ustav Jaderneho vyzkumu, Ceskoslovenska akademie ved,
Rez u Prahy.

CZECHOSLOVAKIA

CAPEK, O.; HANG, O.; TADRA, M.; TUMA, J.; Research Institute of Pharmacy and Biochemistry (Vyzkumny Ustav pro Farmacii a Biochemii), Prague.

"Microbial Transformation of Steroids. XXVI. An Improved Method of Preparation of Cortisone from Cortexolone."

Prague, Ceskoslovenska Farmacie, Vol 15, No 4, May 66, pp 198-199

Abstract [Authors' English summary modified]: *Beauveria bassiana* strain No 663 gives a yield of over 90% in the transformation of cortexolone to epicortisol. The raw epicortisol is acetylated and oxidized selectively to cortisone acetate, without isolating the intermediate products. The acetate is saponified with sodium methylate; free cortisone is obtained with a yield of 78% calculated on the basis of the original cortexolone. With recrystallized cortexolone the yield increases to 80%. 3 Czech references. (Manuscript received 3 Aug 65).

L 13202-66

ACC NR: AP6006090

SOURCE CODE: CZ/0053/65/011/004/0315/0316

AUTHOR: Sramka, M.; Capek, R.

ORG: Institute of Pharmacology, Pediatric Faculty, Charles University, Prague
(Farmakologicky ustav fak. detsk. lek. KU); Institute of Pharmacology, CSAV, Prague
(Farmakologicky ustav CSAV)

TITLE: Electroencephalographic changes caused by extract of schizandra chinensis
[This paper was presented during the Twelfth Pharmacologic Days, Smolenice, 27 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 315-316

TOPIC TAGS: EEG, rabbit, central nervous system, drug effect, nervous system drug,
processed plant product

ABSTRACT: Effect of 100 mg /Kg perorally of the extract of fruits of Schizandra
chinensis with or without nicotine on the electroencephalogram of unanesthetized
rabbits revealed a definite central stimulating effect. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 001

jrn

Card 1/1

CAPEK, R

RASKOVA, H.; VANECEK, J.; CAPEK, R.

Liberation of tissue factors by streptolysin O. Cas. lek. cesk. 96
40-41:1290-1292 11 Oct 57.

1. Farmakologicka laborator Chemického ustavu CSAV a Katedra farmakologie a polusne pathologie Fakulty detskeho lekarstvi v Praze, prednosta prof. Dr H. Raskova.

(STREPTOLYSIN, effects,

O, musc. contraction-promoting substances, liberation in vitro (Cs))

(MUSCLES, physiology,

contraction-promoting substances, liberation by streptolysin O in vitro (Cs))

KOVARIKOVA, A.; CAPEK, R.

Effect of bacterial toxins on adenosintriphosphatase activity. Cesk. fysiол.
7 no.3:275-276 May 58.

1. Farmakologicka laborator CSAV, Praha.

(BACTERIA,

toxins, eff. on ATPase metab. (Cz))

(ADENYLPHOSPHATASE,

metab., eff. of bact. toxins (Cz))

CAPEK, R.; KNESSLOVA, V.

~~Effect of tetraethylammonium bromide on contractions induced by bradykinin.~~
Cesk. fysiол. 7 no.5:440-441 Sept 58.

1. Farmakologicka laborator Chemickeho ustavy CSAV, Praha.

(KALLIKREIN,

bradykinin-induced musc. contractions, eff. of tetraethyla-
mmonium bromide (Cz))

(TETRAETHYLAMMONIUM, effects,

on bradykinin-induced musc. contractions (Cz))

KRAUS, R.; JANKU, I.; HAVA, M.; CAPEK, R.

Development of experimental gastric ulcers. Cas. lek. cesk. 97 no.20:
617-619 16 May 58.

1. Embryologicky ustav Karlovy university, predmosta prof. Dr. Z.
Frankenberger a Farmakologicka laborator Chemickeho ustavu CSAV, vedouci
prof. Dr. H. Raskova. R. L., Praha 2, Albertov 4.

(PEPTIC ULCER, exper.
histol. findings in rats (Cz))

CAPEK, R.; KNESSLIOVA, V.

Effect of tetraethylammonium on isolated contractions of the isolated muscles. Acta physiol. polon. 10 no.2:252-253 Mar-Apr 59.

1. Z Zakladu Farmakologii CSAV w Pradze.

(KALLIKREIN

bradykinin inducing isolated musc. contractions, eff.
of tetraethylammonium (Pol))

(TETRAETHYLAMMONIUM, eff.

on exper. spasms induced by bradykinin in isolated musc.
(Pol))

(SPASM, exper.

eff. of tetraethylammonium in spasms induced by brady-
kinin in isolated musc. (Pol))

WAGNER, J.; CAPEK, R.; DLABAC, A.

Polarographic behavior of 2,4,6-triiodine-3-aminobenzoic acid and its derivatives. Coll Cz chem 25 no.3:682-690 Mr '60. (EEAI 9:12)

1. I. Institut für medizinische Chemie, Karlsuniversität, Prag (for Wagner). 2. Jetzige Adresse: Forschungsinstitut für Pharmazie und Biochemie, Prag (for Dlabac). 3. Jetzige Adresse: Pharmakologische Laboratorium, Tschechoslowakische, Akademie der Wissenschaften, Prag (for Capek)

(Polarograph and polarography)
(Aminotriiodobenzoic acid)

CZECHOSLOVAKIA

SRAMKA, M.; CAPTEK, R.; Chair of Pharmacology, Faculty of Pediatrics, Charles University, and Pharmacological Institute, Czechoslovak Academy of Sciences (Katedra Farmakologie Dets. Lek. KU a Farmakologicky Ustav CSAV), Prague.

"The EEG Analysis of the Antinicotinic Effect of 6-Azaauridine."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 415

Abstract: An intravenous administration of 6-azauridine (AZ) does not change the spontaneous electrocorticogram in a dose of 1 g/kg. The persistence of cortical desynchronization induced by nicotine (20 micrograms/kg) was reduced to 48% of the original time. An administration of AZ in the brain cortex causes a cortical desynchronization lasting several minutes, followed by 15-20 minutes of cortical synchronization. 150 minutes after the administration of AZ its effect on cortical desynchronization induced by nicotine disappears completely. The hematoencephalic barrier is the limiting factor in the central effect of AZ. 2 Western, 3 Czech references. Submitted at 14 Days of Physiology at Smolenice, 17 Feb 66.

1/1

- 59 -

CAPEK, V.
Ca

8

Fragmentary rocks of the Kladno coal basin. Václav
Čapek. *Věstník Státního geol. ústavu Českoslov. Repub.*
16, 27-32(1940); *Chem. Zentr.* 1941, II, 321-2.-- Petro-
graphic data are given for syenites, porphyries, aplites,
diabases and minettes. Michael Fleischer

AS - 55A - METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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CAPEK, V.

Tasks of the plan of technical development in the machinery industry.
p. 93.
STROJIRENSKA VYROBA, Prague, Vol. 2, no. 3, Mar. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Uncl.

CAPEK, V.

Developing broadly the plan of technical organizational measure in factories.
p. 721.

STROJIRENSTVI. Vol. 4, no. 10, Oct. 1954.

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 5, No. 6, June 1956 Uncl.

II- CAPEK, V.

Speaking up the introduction of new technology, p. 229, STROJIRENSKA
VYRORA (Ministerstvo strojirenstvi) Praha, Vol. 3, No. 6, June 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, December 1955

CAPEK, V.

For improvement in the introduction of new techniques and technology.
p. 393.

STROJIRENSKA VYROBA, Prague, Vol. 3, no. 10, Oct. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Uncl.

CAPEK, V.; PACES, V.

Chronic pyelonephritis in the angiographic picture. Cesk. radiol.
19 no.4/5:309-311 Ag '65.

1. Rentgenologicke a urologicke oddeleni nemocnice v Praze 8 - na
Bulovce, CSSR.

PACES, V.; PLACHEROVA, A.; CAPEK, V.

The importance of preoperative irradiation of renal tumors in adults.
Cesk. radiol. 19 no.6:403-405 N '65.

1. Urologické oddelení nemocnice v Praze 8 - Bulovka (vedoucí doc.
dr. V. Paces).

CAPEK, Václav

The brigade of foremost innovators helps the Czechoslovak machinery industry. Tech praca 15 no. 6: 409-411 Je'63.

1. Vedoucí výzkum strojírenské technologie, Státní výzkumný ústav materiálu a technologie, Praha.

CZECHOSLOVAKIA

CAPEK, V., KRYSL, J., and ZEINALI, I., Clinical Base of the X-Ray Chair (Klinicka zakladna rentgenologicke katedry), UDL [Ustav pro doskolovani lekaru; Institute for the Postgraduate Training of Physicians], J. SLANINA, MD, director; and Second Department of Internal Diseases (Il. interni oddeleni), Hospital at Prague 8, Bulovka, Docent Dr Zdenek MARATKA, director [individual affiliations cannot be determined].

"Dulcolax Used in Preparing the Colon for X-Ray Examination"

Prague, Casopis Lekarů Ceských, Vol CII, No 29-30, 12 July 1963, pp 808-809.

Abstract [Authors' English summary]: Report on the preparation of the colon prior to an X-ray examination of abdominal organs. Dulcolax proved effective and without any significant side effects. Four references, two in German and two in English.

ČAPEK, Vlastimil; PETÁK, Vítězslav.

Splenoportography in cystosis of the liver. Acta radiol.
cancer. bohém. 10 no.1:16-17 Mar 1956.

1. Z rtg. odd., predn. dr Čapek, a chir. odd., předn. dr.
Peták, OÚZ Cheb.

(LIVER, cysts
diag., splenoportography)

(CYSTS
liver, diag., splenoportography)
(VEINS, PORTAL SYSTEM, radiography
in liver cysts)

CAPEK, Vlastimil

Submucous eosinophilic granuloma of the stomach in the form of
gastric polyp prolapsed into the duodenum. Cas. lek. cesk. 95 no.
6:156-157 10 Feb 56.

1. Z ustredniho rentgenu OUNZ Cheb, predn. Dr. Capek.
(STOMACH, neoplasms,
eosinophilic granuloma prolapsed into duodenum.(Cz))
(EOSINOPHILIC GRANULOMA,
stomach, prolapsed into duodenum.(Cz))

CAPEK, Vlastimil

Investigation of acute pulmonary conditions by bed-side roent-
genological examination. Cesk. rentg. 13 no.4:229-233 Aug 59

1. Klinicka zakladna rentgenologicke katedry UDL, Praha 8-Bulovka,
primar MUDr. Josef Slanina.
(LUNG DISEASE, radiogr.)

CAPEK, Vlastimil; PFLUG, Josef

On a technic for aortography with selective angiography of the aortic branch by means of the percutaneous introduction of the catheter. Cesk. rentg. 14 no.3:189-197 Je '60.

1. Klinicka zakladna rentgenologicke katedry (predseda MUDr. Josef Slanina) a chirurgicke katedry (predseda prof. MUDr. Jan Knobloch, Dr. Sc. UDL, Praha 8-Bulovka.
(ANGIOGRAPHY)

FOJTIK, Frantisek; CAPEK, Vlastimil

Contribution to non-penetrating wounds of the kidney in childhood.
Rozhl. chir. 41 no.7:450-452 JI '62.

1. Detske chirurgicke oddeleni, prednosta dr. F. Fojtik Rentgenologicke
oddeleni, klinicka zakladnu UDL, prednosta dr. J. Slanina, Praha 8,
nemonice Na Bulovce.

(KIDNEY wounds & inj.)

CAPEK, V.; KRYSL, J.

Technical contribution to arteriography of the lower extremities. *Cesk. rentgen.* 17 no.6:370-373 N '63.

1. Klinická základna rtg-katedry UDL v nemocnici v Praze 8
na Bulovce, vedoucí MUDr. J. Slanina.
(LEG) (ANGIOGRAPHY)

CAPEK, V.; KRYSL, J.; ZEINALI, I.

Dulcolax in the preparation of the colon for roentgenological examination. Cas. lek. cesk. 102 no.29/30:808-809 12 JI '63.

1. Klinicka zakladna rentgenologicke katedry UDL, prednosta
MUDr. J. Slanina II interni oddeleni nemocnice v Praze 8 -
Bulovka, prednosta doc. dr. Zd. Maratka.
(COLON) (RADIOGRAPHY) (CATHARTICS)

CAPEK, Wacław

A brigade of leading rationalizers aids the Czechoslovak machine building industry. Przegl techn 84 no.28:4 14 JI '63.

1. Statni vyzkumny ustav materialu a technologie, Praha.

1ST AND 3RD ORDERS										2ND AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
CAPER 2										C									
Study of market conditions for increasing sales of hollow brick and tile. ZDANKA CAPER. <i>Novino</i>, 1938, p. 250. --The builder demands that the structural product be inexpensive, have low transport cost, need only small quantities of auxiliary materials, give small quantities of waste, be solid, have good working qualities, sometimes also have a general applicability, and withstand rough handling. Some of the latter demands are of great importance, especially for the use of hollow brick in farming, and C. therefore discusses them in detail. R.H.																			
ASBESTA METALLURGICAL LITERATURE CLASSIFICATION																			
SECTION 1										SECTION 2									
SECTION 1										SECTION 2									

CAPEK, Z. F

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

5305. OPTIMUM EFFICIENCY OF DRY-OPERATING ROTARY KILN WITH WASTE HEAT BOILER. Capak, Z. (Savivo, 1948, vol. 26, 131).

This work is based on 152 efficiency determinations over 4 years carried out on rotary kilns of 3,000 x 5,000 x 3,000 mm and 7x 10 x 33 m. long connected with waste-heat boilers of 980 sq. m. evaporation area and 22 atmospheres pressure. The production of clinker, production of energy and total heat consumption per unit of product were taken as criteria. Diagrams are given showing the relations between the composition of the raw materials (ratio $SiO_2 : R_2O_3 : CaO$: (2.8 of given calorific value. Data are presented showing the relations between clinker output, electrical energy production via waste-heat boiler and generator, and calorific value of the fuel used. It is concluded that the limits of efficiency of the furnace-boiler system are rather narrow and difficult to adhere to. The increase of the production of energy above 150 to 170 k.W.h./ton of clinker caused a decrease

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

SECOND SYMBOLIC

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

of the overall thermal efficiency of the system. The influence of the raw material composition on the operational efficiency is not yet fully understood and is worthy of thorough investigation.

CAPEK, Z.
BCS

Thajing

604. Increasing the efficiency of ball mill work. 2. Čapek (Stavro, 20, 286, 1950). The development of ball mill work embraces the results of 133 full-scale plant expts. and a series of laboratory expts. over the last 4 years. The measurements of the mill are: Exterior dia. = 2,200 mm.; interior dia. = 2,040 mm.; length = 13,000 mm.; Chamber I: $r = 3,040$ mm., $d = 2,040$ mm.; Chamber II: $r = 2,440$ mm., $d = 2,040$ mm.; Chamber III: $r = 6,860$ mm., $d = 2,040$ mm. It is sometimes believed that the output of a mill can be increased by introducing finely pre-crushed material into it, but this is untrue. A series of expts. was performed to find the degree of filling required to obtain a certain grain size after the min. time. The results were used on large-scale expts., the filling of each chamber being varied to a limited extent. The decrease of the residue on 70-mesh in each chamber was plotted in Mittag diagrams. The correct course of the curve is the smoothest. Comparing outputs shows that the correct curve does not imply max. output. The effects of changing the filling by 1% only at equal total load are very great. In one series of expts. Chambers I and II were combined and filled with pre-crushed fine material, in another series Chamber III was lined to increase the surface. The output of the mill was compared with the max. output of the mill in its original form. In both series of expts. the output was low. A diagram of the particle size curves, with Graf's curve for comparison, is given and the sizes giving max. output are shown. The belief that fresh clinker is more difficult to grind than aged clinker is shown to be wrong and diagrams are given. The importance of the correct velocity is noted. Addition of electrolytes to the clinker and the use of non-magnetic balls was tried out successfully, increasing the output considerably; theoretical reasons are given. It is thought that the passage of ionized air through the mill might give results similar to the addition of electrolytes. (7 figs., 3 tables.)

CAPEK, Z.

"Increasing labor productivity in the production of portland cement." (p. 143).
STAVIVO (Ministerstvo stavebnich hmot) Praha, Vol 32, No 4, Mar. 1954.

SO: East European Accessions List, Vol 4, No 8, Aug 1954

CAPEK, Z.

The grinding of lignite for dust firing. p.223. PRAGUE.
Ustav pro vyzkum a vyuziti paliv. PRACE. Praha. No. 6, 1954.

SOURCE: East European Accessions List, (EEAL), Library of Congress,
Vol. 5 no. 12, December 1956.

CAPEK, Z.

Size of the subjective error in sampling limestone in pieces. p. 140. STAVIVO. (Ministertvo stavebnictvi) Praha. Vol. 34, no. 4, April 1956.

SOURCE: East Europe an Accessions list, (EEAL),
Library of Congress. Vol. 5 no. 12,
December 1956

CZECHOSLOVAKIA / Chemical Technology. Chemical Pro- H-13
ducts and Their Application--Ceramics.
Glass. Binding Materials. Concrete

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 9104

Author : Capek, Z., Plodr, J.

Inst : Not given

Title : Incorrect Opinions on the Expediency of Using
Ground Unslaked Lime

Orig Pub: Stavivo, 1958, 36, No 6, 229-231

Abstract: Based on experimental data, it is concluded that
solutions are of higher quality than solutions of
cement and ground unslaked lime. --G. Kopelyanskiy

Card 1/1

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CZECHOSLOVAKIA / Chemical Technology, Chemical Products and Their H-13
Application. Ceramics. Glass. Binding Materials.
Concrete.

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 16301

Author : Capek, Z.

Inst : Not given

Title : Certain Possibilities of Improving the Operation of
Rotary Kilns

Orig Pub : Stavivo, 1958, 36, No 5, 189-193

Abstract : Heat balance for the rotary kilns of 15.7 tons/hr
capacity and of 1830 kcal/kg heat capacity is presented.
Measures of improving the operation of rotary kilns
are reviewed. -- Ya. Satunovskiy

Card 1/1

14-39

CAPEK, Z.

Various experiences with Si-matter in cement production. p. 266.

STAVIVO. (Ministerstvo stavebnictvi) Praha, Czechoslovakia. Vol. 37, no. 8, Aug. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 10, Oct. 1959. Uncl.

CAPEK, Z., dr., inz. (Praha)

A method for increasing the manufacture of Glass 450 cement.
Stavivo 41 no.5:164-167 My '63

Country	: RUMANIA	H
Category	: Chemical Technology. Chemical Products (Part 4). Leather. Fur. Gelatin. Tanning Materials. Indus-	
Abs. Jour.	: Ref Zhur-Khim, 1959, No 7, 25924	trial Proteins
Author	: Capilna, A.	
Institut.	: -----	
Title	: On the Physicomechanical Tests in the Quality Control of Half-Finished Leather Products	
Orig Pub.	: II-a Consf. tehn.-stiint. a ind. usoare. Piele.- Gauciuc.-Sticla. [Bucuresti], ASIT, 1957, 111-117	
Abstract	: The problems of a correct control of the quality of half-finished leather products are discussed, namely: performance of the required tests under identical conditions of temperature, moisture, speed, size of the samples and standardization of apparatuses; the correct choice of specific indicators of the quality of the respective half- finished products; improvement of the test me- thods. The methods of determination of the qua- lity of leather for gloves were examined in de- tail.-- G. Markus	
Card:	1/1	

CAPILNA, Ana, ing.

Problem of the qualitative evaluating of driving belts. I.
Industria usoara 3 no.4:142-149 Ap '56.

CAPILNA, Ana, ing.

Problem of the qualitative evaluating of driving belts. II.
Industria usoara 3 no.5:189-196 My '56.

CAPILNA, Ana, ing.

Hygienic and sanitary conditions of the leather used in footwear
manufacture. Industria usoara 3 no.9:362-368 S '56.

CAPILNA, A.

"The finish-quality control."

p. 243 (Industria Usoara) Vol. 4, no. 6, June 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

COUNTRY	: Rumania	H-35
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 21 1959, No.	77155
AUTHOR	: Capilna, A. and Dumitrescu, M.	
INTL.	: Not given	
TITLE	: Advances in the Evaluation of the Quality of Leather Goods	
ORIG. PUB.	: Standardizarea, 10, No 10, 491-492 (1956)	
ABSTRACT	: Experiments on the correlation of the behavior of leather goods in service with their physico-mechani- cal properties point to the need for the establish- ment of more discriminating methods for the deter- mination of the quality of leather goods. In addition to the properties specified in the stand- ard, the authors propose the evaluation of the following characteristics. For sole leather, wear resistance, waterproofness under dynamic conditions and resistance to repeated flexing; good results	
CARD:	1/3	

COUNTRY	:	Rumania	H-35
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 21 1959, No.	77155
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	have been obtained from the determination of the resistance to wear with the Shopper apparatus, in which a 2-cm² specimen travels a distance of 40 m on a cylinder coated with abrasive material. For shoe upper leather, resistance to repeated flexing and to ball stretching (carried out with the aid of special attachments on a dynamometer). For glove leather, the authors propose the measurement of the relative elongation under a constant load, and determination of the fastness of	

CARD: 2/3

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